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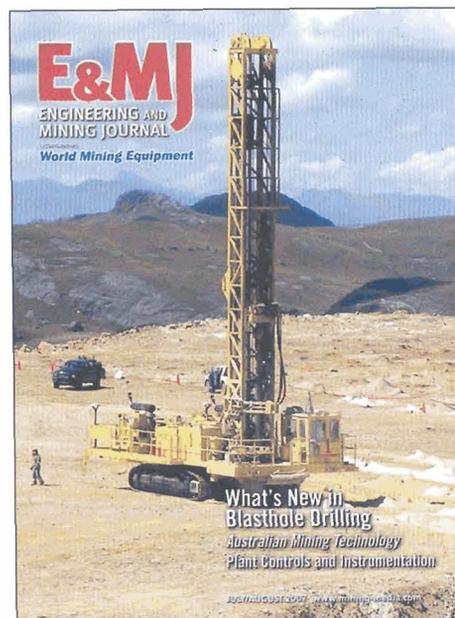
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"ENR"
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24 Confusion and uncertainty in job-site decision-making, authority and responsibility over a crane's computer, overridden by a penny jammed into a control switch, turned a relatively mundane Florida project into a disaster.

Cover photo and photo right courtesy of the U.S. Occupational Safety and Health Administration, cover photo top by AP/WideWorld; cover photo manipulation by Guy Lawrence for ENR



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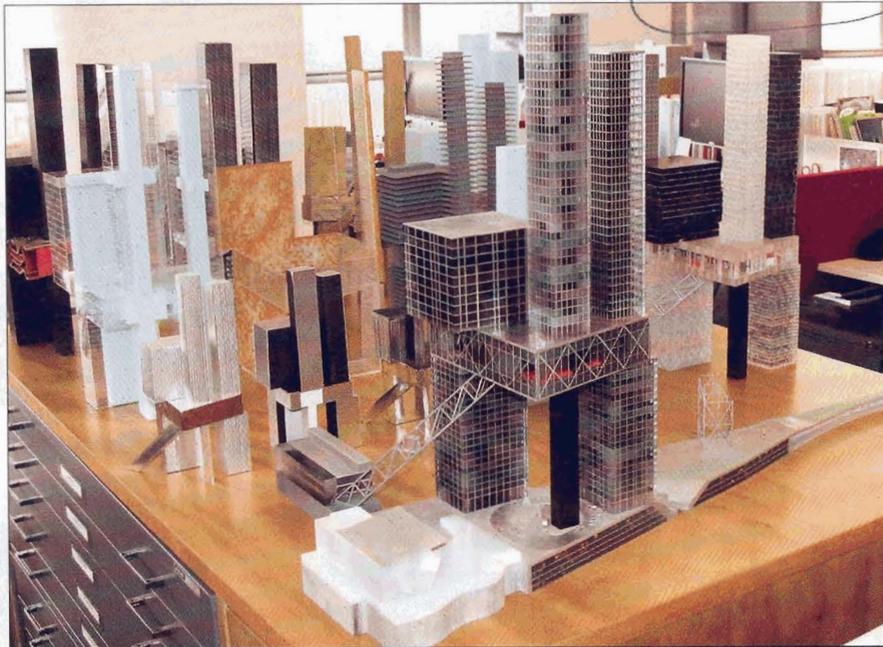
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COVER STORY

► Many Tasks

30 A complex mixed-use structure in Louisville, Ky., centered on an art museum pushed the architect to seek a structural engineer to help form the building. The job was further complicated by a constrained site.

Cover photo courtesy of REX; photo right by Guy Lawrence for ENR



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10 Flood Control: Getting a grip on California levee risk



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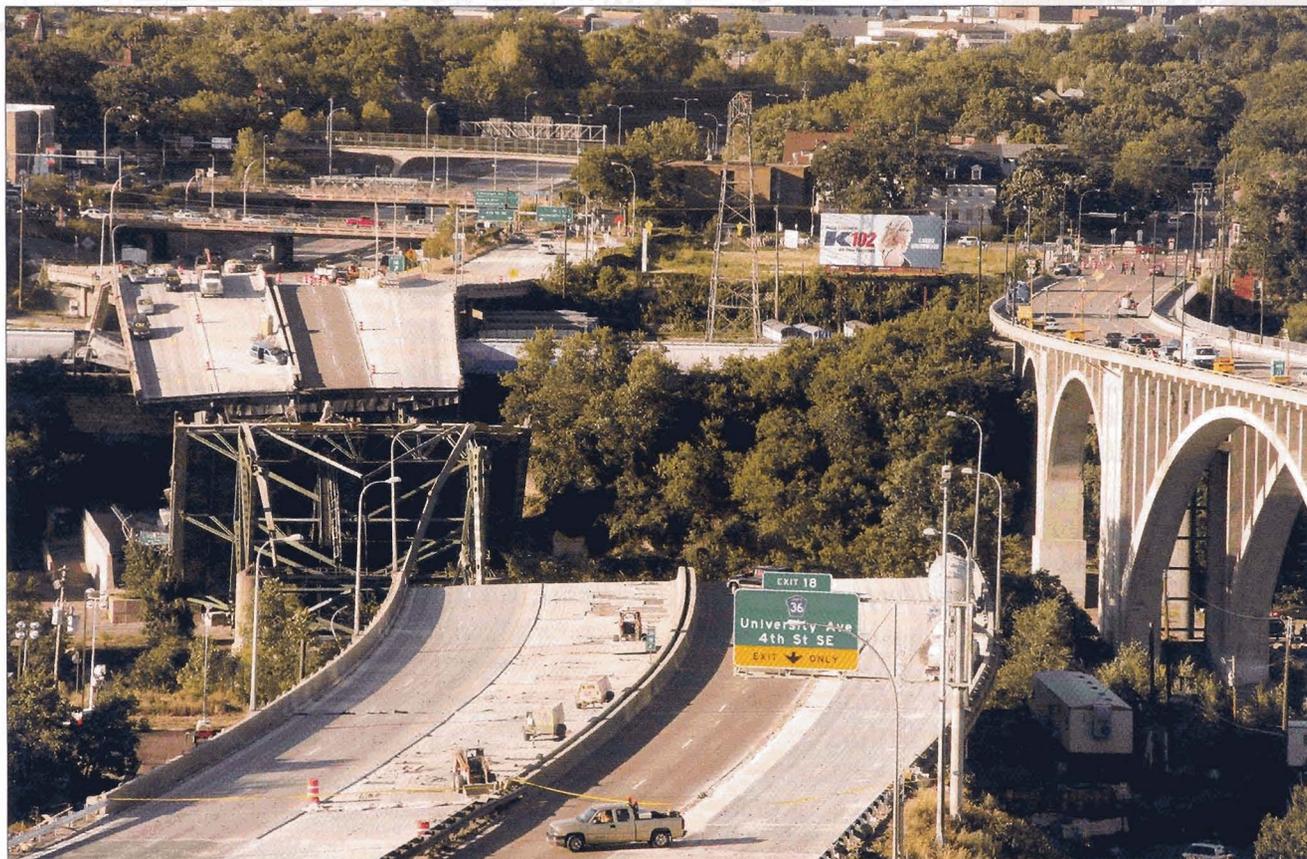
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NEWS

► News Analysis

10 Political backbone is needed to fund pressing needs in aviation, bridges and highways, flood control, power and water supply

► Infrastructure

12 Engineers await tragedy's inevitable impacts
14 Structural monitoring is a sensitive subject

► Investigations

17 Minnesota bridge conditions were extensively documented
19 Litigation is as murky as the river

► Cover Story

10 As investigators pore over the wreckage of the Minneapolis bridge, factors ranging from fatigue cracks to lack of redundancy to welding codes have been thrust onto the national stage. DOT vows a top-to-bottom review of guidelines.

Cover photo by AP/Wideworld; photo above by Tudor Van Hampton for ENR

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LEAD NEWS

► The Search Continues

10 Even as removal of remains and debris continue in the murky Mississippi River, effects of the Aug. 1 Minneapolis bridge collapse roar across the U.S.

Cover photo by AP/Wideworld, photo manipulation by Guy Lawrence for ENR; photo right courtesy of the U.S. Navy

COVER STORY

► Bienvenidos España

26 Spanish contractors are bringing their construction, financing and privatization expertise to more projects in North America, such as the Chicago Skyway.

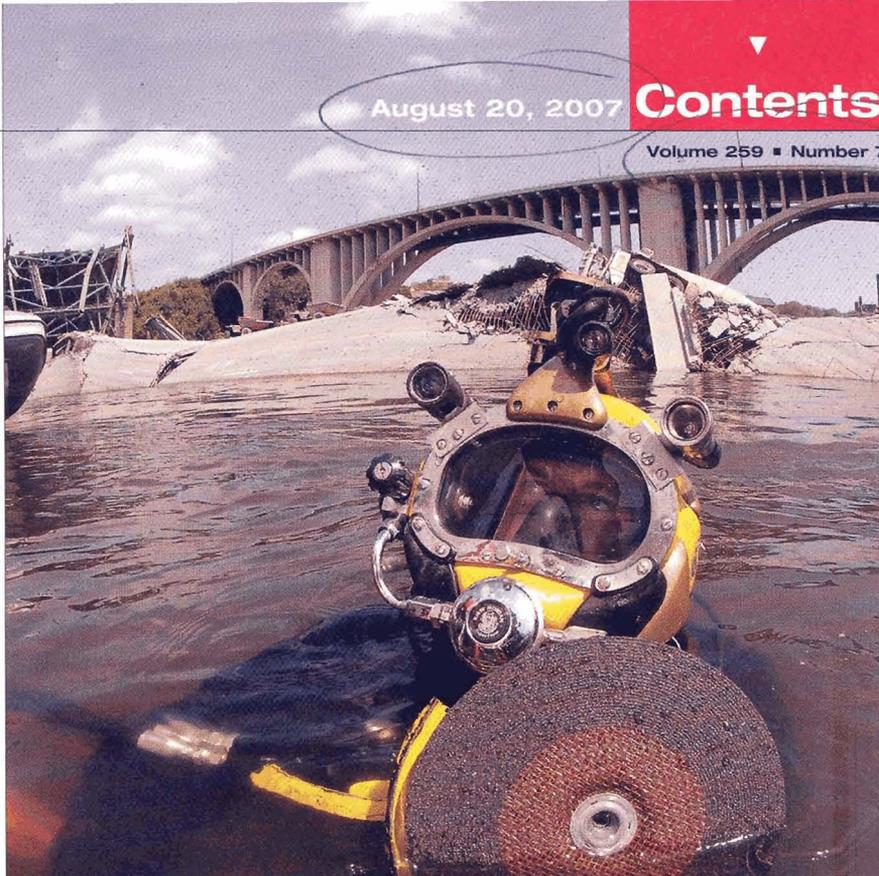


Spain on the move. Page 26

SPECIAL REPORT

► Top International Contractors

30 In a market as hot and volatile as this one, international contractors are being careful about how they bid, what jobs they bid on and whom they work for.



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RETHINKING WETLANDS

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FEATURES

24 RESTORING THE RIVER

Hurricane Katrina brought the Mississippi Delta's deterioration into the public eye. Now researchers and policy-makers are deciding how to restore the system. One answer seems clear: Return the delta region to a more natural ecosystem.

Megan Sever

30 SALTON SEA AT A CROSSROADS

A century ago, California's Salton Sea did not exist. A massive flood formed the sea, which 40 years ago was teeming with life. Today, the Salton Sea has come to a crossroads, its future clouded by the certainty of diminishing inflows, the impact of climate change and the challenges posed by its tremendous scale.

Michael Cohen

36 URBAN WETLAND RESTORATION: CREATING ROOM TO GROW

Before humans recognized the importance of wetlands, they were indiscriminately destroyed. Today, thanks in part to new urban restoration efforts, urban wetlands are again serving as refuges in our cities.

Jenny Buening, Kathleen Hurley, Mike Johns

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DNA holds clues to extinction

Dino pose discloses cause of death

'er up...with sugar?

Sandbar led Alexander the Great to victory

Climate kick-started agriculture

Climate change will cost us

No more "snows of Kilimanjaro"?

Earth's core is solid, after all

Genetic discovery yields stronger plants

More on Mars

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Foam hushes volcano's fury

Landslide partially buries Valley of Geysers

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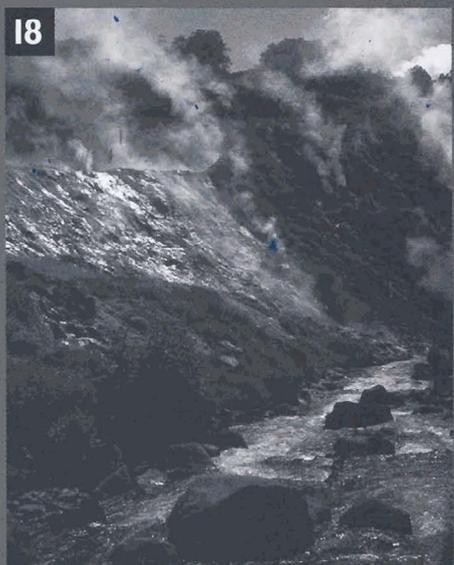
Tunnel vision revived

Turning the tide on renewable energy

Mineral Resource of the Month: Silver

ON THE COVER

Researchers are developing new and improved plans to restore U.S. wetlands and waterways, including the Salton Sea, pictured here. Read more about the Salton Sea and other waterways starting on p. 24. Image is copyright of Milt Friend.



7 A COMMENT ON... Say hello to your PIO

If you don't know what a PIO is, or don't know who yours is, it might be worth your while to get to know him or her. PIOs are science writers, trained to take science jargon and make it readable. They are a scientist's friend.

Harvey Leifert

60 GEOLOGIC COLUMN The "Roof of the World" is Leaking

Tibet faces its share of challenges, as the author realized during a recent trip to the area.

Fred Schwab

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40 TRENDS & INNOVATIONS Look What I Found!

If you find something on your land — say a whole lot of a valuable building stone, a meteorite or a dinosaur bone— do you know what to do? Do you know who to contact to find out what it's worth?

Cassandra Willyard

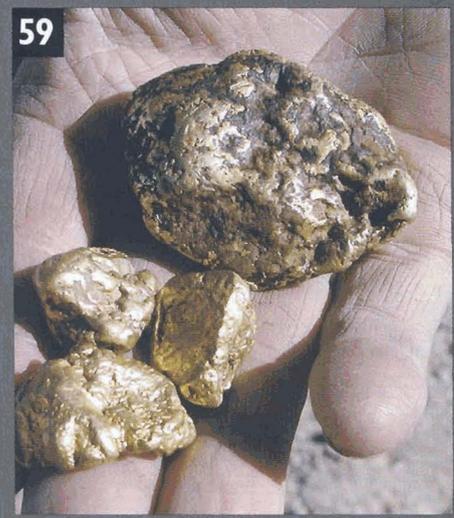
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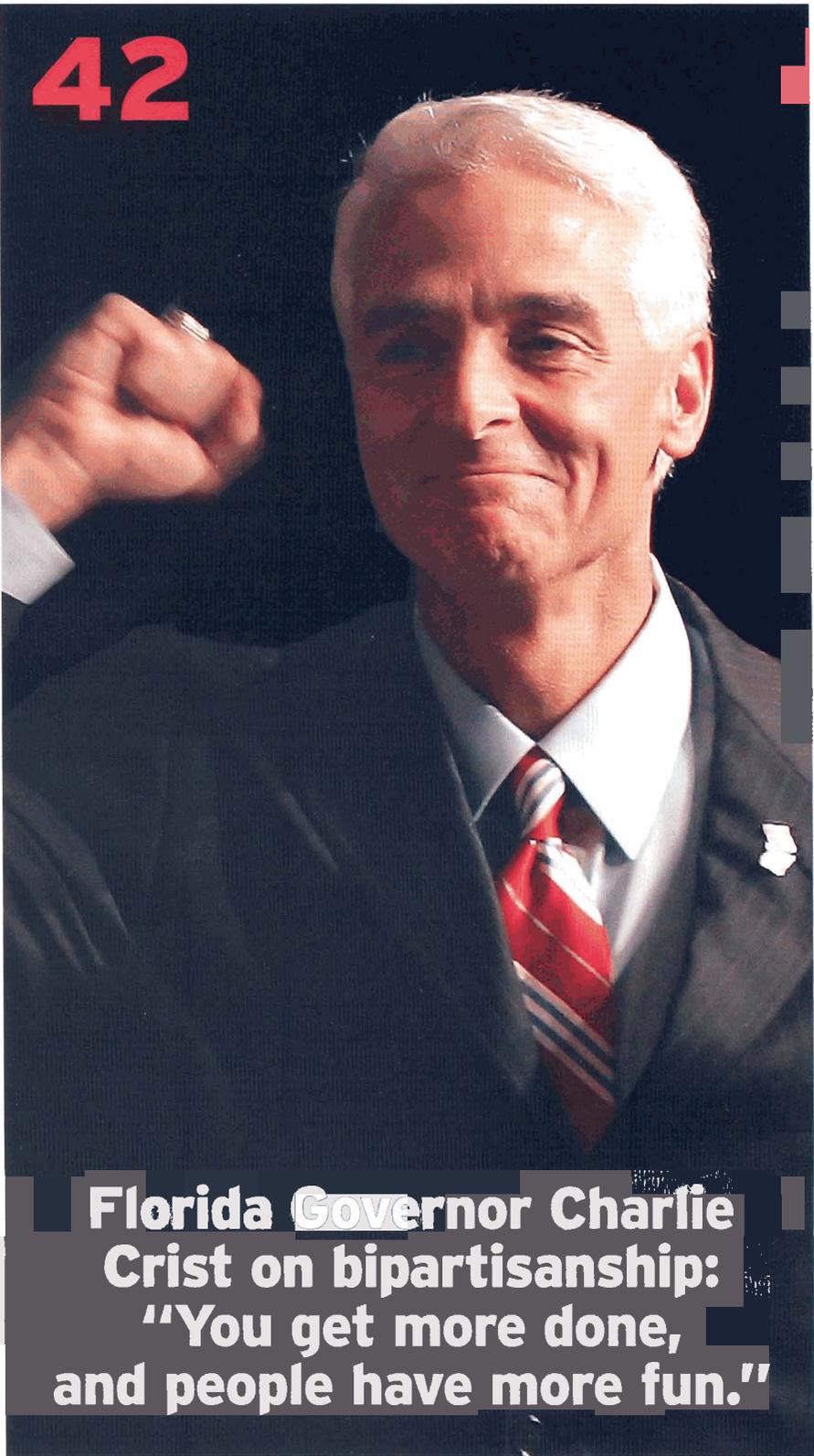
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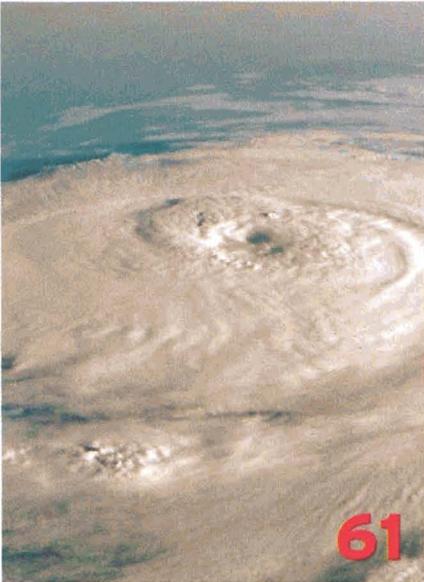
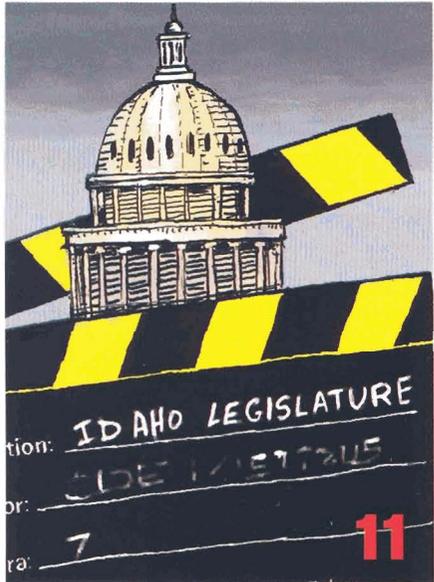
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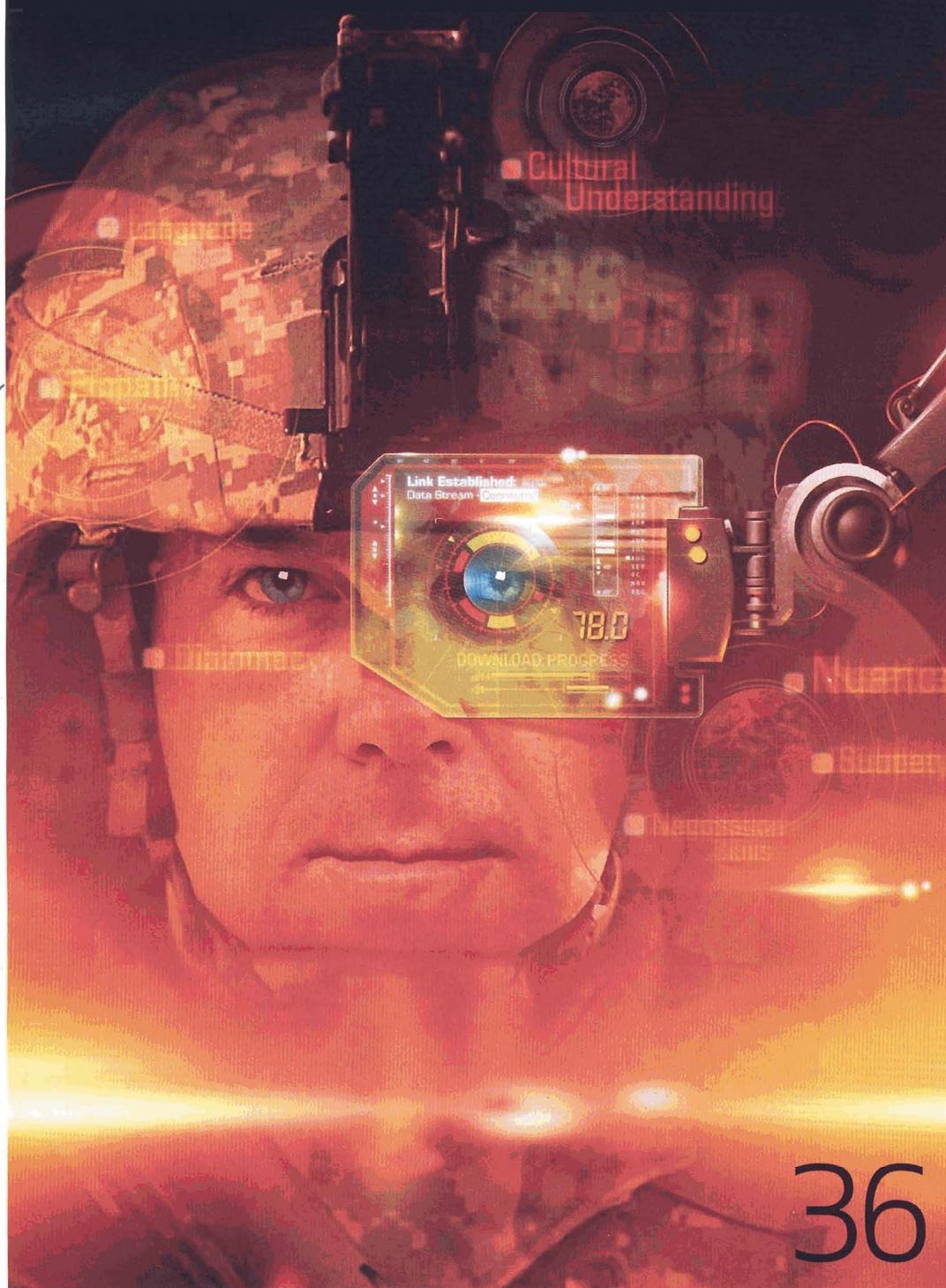
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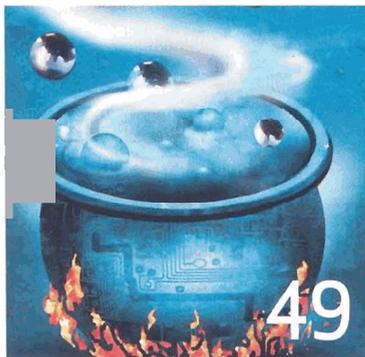
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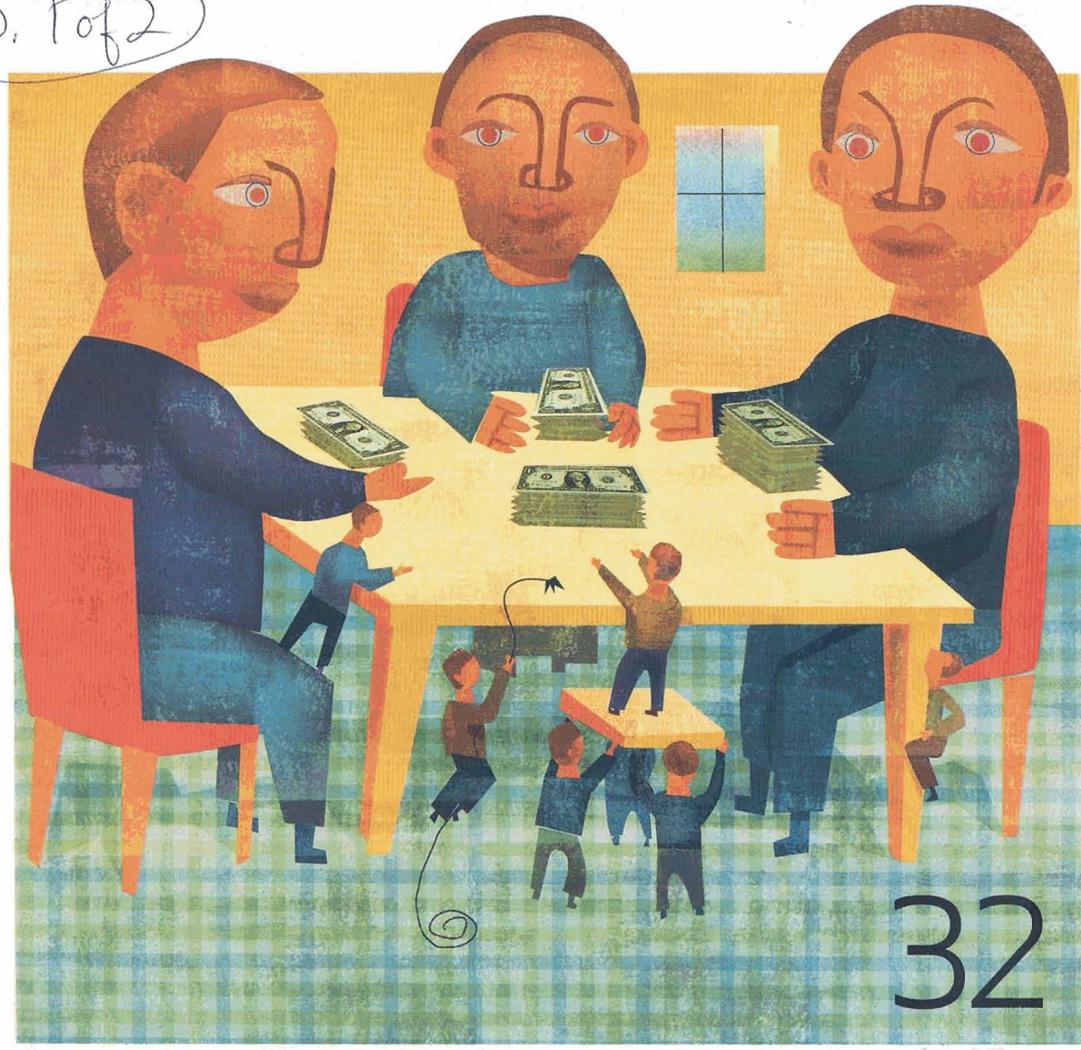
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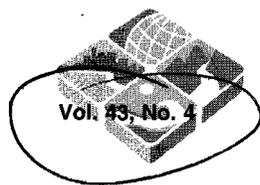


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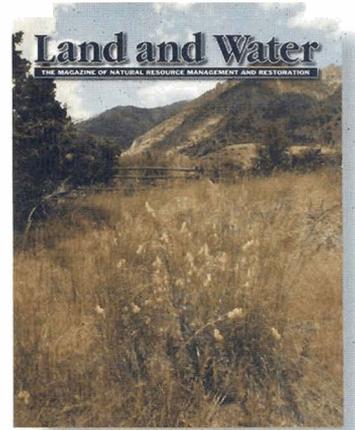
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Volume 51, Number 4

July/August 2007



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Dalmatian toadflax is infesting more than 3,000 acres of Park County, Wyoming. A collection of people in northwestern Wyoming have joined forces in the struggle to prevent Dalmatian toadflax from harming native habitats along the Shoshone River and in the process revolutionized the way in which invasive weeds are fought throughout the United States. See the full story on page 22.

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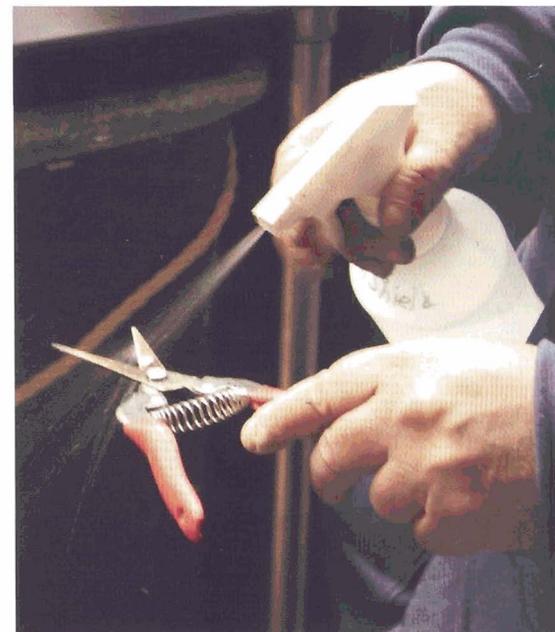
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